

Technology & Engineering Education in Utah

Pathway Sequences in Technology and Engineering

<div>Progression of courses from the 7th grade through graduation</div>	Targeted Grade Level	Project Lead the Way Pre-Engineering		Language Arts	Science	Math (Minimum)	The Utah Pre-Engineering	Engineering Technologies	Communication		Visual Arts			Interactive Media Web Development & Administration	
	10 th , 11 th , & 12 th Grades	Capstone	Engineering Design and Development	LA – 12	Chemistry	Pre-Calculus	Pre-Engineering	Mechanical Drafting Architectural Drafting	Introduction to Screen Printing Digital File Preparation	Radio/Television Broadcasting	Design and Visual Communications	Commercial and Advertising Art	Industrial Design	Commercial Photography	Web Development
		Specialty (Options)	Computer Integrated Manufacturing Civil Engineering and Architecture Aerospace Engineering	LA – 11	Physics (Physics with Technology)	Intermediate Algebra	Materials and Processes Course	CAD Drafting Technology	Advanced to Graphic Communication						Advanced Business Web Page Design
			Digital Electronics Principles of Engineering	LA – 10	Biology	Geometry		Drafting and Design	Interm. to Graphic Communication Intro to Graphic Communication						Introduction to Information Technology Computer Technology
		Foundation	Introduction to Engineering Design	LA – 9	Earth Systems	Elementary Algebra	Foundations of Technology	Intro to Communications Technology							
	8 th - 9 th Grades														
	This course focuses on the exploration of the following areas: Agriculture and Biotechnology, Construction, C														
7 th Grade	This course introduces students to Technology and Engineering, Agriculture, Business, Career Guidance, Economics, Family and C														



tion in Utah's Middle/Junior High Schools

and Engineering and Other Related CTE Areas

Digital Media (Multimedia)	Precision Production Trades				Construction Trades	Ag Systems Technology	Mechanics and Repairs						Information Support & Services Technical Support	Network Systems	Health Science & Technology
3D Graphics and Animation	Cabinetmaking	Machinist Technician/CNC	Sheet Metal	Welding Technician	Masonry/Tile Setting	Agricultural Mechanics (Advanced)	Automotive Technician	Heavy Duty Mechanics/Diesel	Automotive Collision Repair Technician	Small Vehicle Technician	Aircraft Mechanics Technician/A&P	Basic Electronics Technician	Linux Fundamentals	Cisco Certified Networking Adm.	Health Science, Advanced
Multimedia II	Furniture Design and Manufacturing				Concrete Placing and Finishing	Agricultural Machinery Technology							Microsoft Certified Pro	Biotechnology	
					Electrician	Agricultural Business Management							A+ (Computer Maintenance)	Certified Novell Administrator (CNA)	
Multimedia I Design & Development					Plumbing	Agricultural Systems Technology II								Network +	
Introduction to Information Technology	Woodworking				Carpentry	Agricultural Systems Technology I							Introduction to Information Technology	Introduction to Information Technology	Medical Terminology
Computer Technology					Construction Trades Foundation	Agricultural Science & Technology							Computer Technology	Computer Technology	Medical Anatomy & Physiology
	Intro to Manufacturing Technology				Intro to Construction Technology		Intro to Transportation and Energy Technology							Health Science, Introduction	
Exploring Technology: Communications and Information Technology, Energy and Power, Manufacturing, Medical Technologies, and Transportation.															
CTE Intro: Consumer Science, Health Science & Technology, Information Technology, Marketing, Skilled and Technical Sciences, and Work-Based Learning.															

